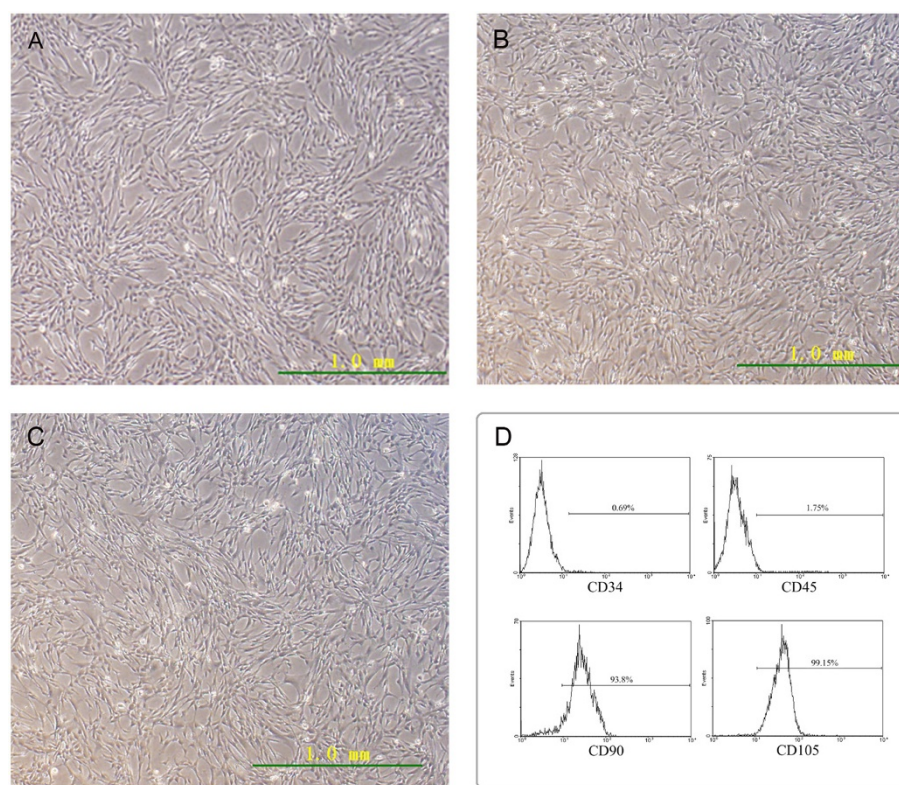


**CORRECTION****Open Access**

# Correction: Hepatitis B virus infection and replication in human bone marrow mesenchymal stem cells

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After publication of this work [1], we noted that D of Figure 1 was incorrect. Now the correct figure has been provided with this correction.



**Figure 1 Characterization of human BMSCs.** (A) Morphology of the third generation of human BMSCs under light microscope. (B) Morphology of the eighth generation of infected human BMSCs under light microscope. (C) Morphology of the eighth generation of uninfected human BMSCs under light microscope. (D) Analysis by flow cytometry showed that human BMSCs at passage 5 were negative for the expression of CD34 and CD45, but positive for the expression of CD90 and CD105.

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#### Reference

1. Ma R, Xing Q, Shao L, Wang D, Hao Q, Li X, Sai L, Ma L: **Hepatitis B virus infection and replication in human bone marrow mesenchymal stem cells.** *Viral J* 2011, **8**:486.

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